(No Model.)

J. E. HAMILTON.

ADJUSTER FOR ELECTRIC LAMP REFLECTORS.

No. 453,002. Patented May 26, 1891.

Fig. 1.

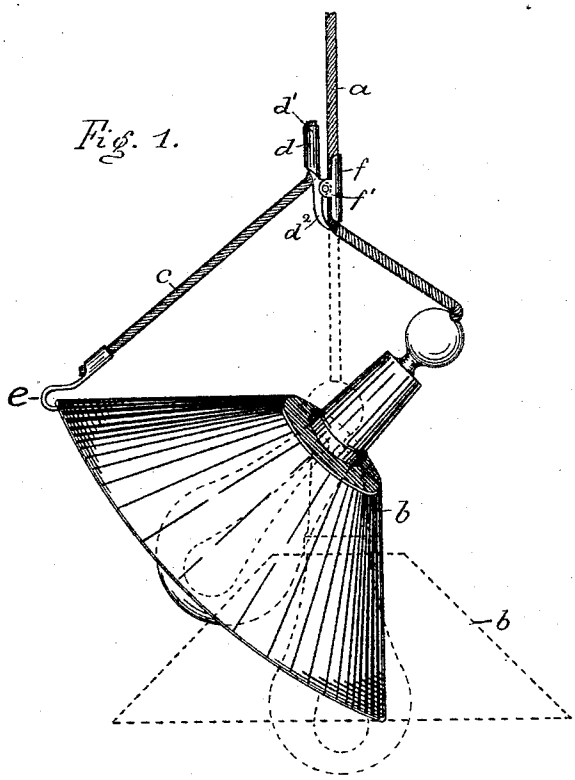
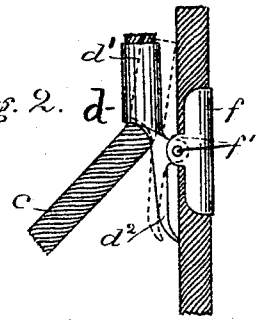


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES E. HAMILTON, OF CHICAGO, ILLINOIS.

ADJUSTER FOR ELECTRIC-LAMP REFLECTORS.

SPECIFICATION forming part of Letters Patent No. 453,002, dated May 26, 1891.

Application filed January 3, 1891. Serial No. 376,571. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. HAMILTON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Adjusters for Electric-Lamp Reflectors, which are fully set forth in the following specification, reference being had to the accompanying drawings, forming a part hereof, and in which—

Figure 1 shows my incandescent-lamp reflector or shade-adjuster applied to a lamp-shade arranged to throw the light in a lateral direction, the dotted outlines showing the original and natural position of the shade. Fig. 2 shows the form of clamp used on the cord *a*, on an enlarged scale.

Like letters refer to like parts.

The object of my invention is to produce a device which may be readily applied to any incandescent-lamp shade or reflector, by means of which the shade or reflector may be made to throw its light in any desired direction, and to attain said desirable result I construct and apply my said new device substantially as follows, namely:

I provide a cord *c*, of any suitable size and length, and secure to one end of it a hook *e*, adapted to pass over the lower edge of the reflector or shade *b*, and to the opposite end of said cord I attach a clamp *d*, of any suitable construction that is adapted to hold onto the pendent or conductor-cord *a*; but preferably I use the construction here shown, in which said clamp consists of a semi-cylindrical shell *f*, provided with lugs near its center, which are united by pins *f'* to a similar pair of lugs forming a part of the opposite member d' d^2, thus forming a hinge-joint. The cylindrical shell d' receives and holds one end of the said cord *c*, and by the weight thrown on said cord *c* causes the foot d^2 to press upon the cord *a*, so as to bind said clamp *d* onto the cord *a* at any desired point that it may be placed.

To operate my said device I hitch the hook *e* over the lower edge of the shade *b* and then regulate the degree of inclination to be given to the shade by sliding the said clamp *d* up or down on the cord *a*. This is accomplished by pressing the part d' toward the part *f*, so as to release the foot d^2 from the cord *a*, and then raising or lowering the said clamp *d* on the cord *a* until the reflector assumes the necessary angle to obtain the light in the desired direction.

What I claim is—

1. The combination, with a cord, of a lamp and reflector suspended thereby, and a cord *c*, extending from the suspending-cord to the reflector and constructed to adjustably hold the reflector at the desired angle, substantially as specified.

2. The combination, with the cord, of a lamp and reflector suspended thereby, and a cord *c*, provided at one end with a clamp for adjustably securing it to the suspending-cord and at the other end with a hook for engaging the edge of the reflector, substantially as specified.

JAMES E. HAMILTON.

Witnesses:
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